

Hydric Soils List

FIELD OFFICE TECHNICAL GUIDE Sec. II
HYDRIC SOIL INTERPRETATIONS

Humboldt County, Iowa

Map symbol and map unit name	Component	Hydric	Local landform	Hydric soils criteria				Acres
				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
6: OKOBOJI SILTY CLAY LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	6,737
	KNOKE	Yes	depression, ground moraine	2B3,3	YES	NO	YES	568
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	406
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	406
27B: TERRIL LOAM, 2 TO 5 PERCENT SLOPES	TERRIL	No	alluvial fan, drainageway	---	---	---	---	912
	SPILLVILLE	No	drainageway	---	---	---	---	107
	CLARION	No	ground moraine	---	---	---	---	54
54: ZOOK SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	ZOOK	Yes	flood plain	2B3	YES	NO	NO	110
	COLAND	Yes	flood plain	2B3	YES	NO	NO	14
	COLO	---	flood plain	---	---	---	---	7
	SPILLVILLE	No	flood plain	---	---	---	---	7
55: NICOLLET LOAM, 1 TO 3 PERCENT SLOPES	NICOLLET	No	ground moraine, rise	---	---	---	---	22,295
	CLARION	No	ground moraine	---	---	---	---	2,973
	CRIPPIN	No	ground moraine, rise	---	---	---	---	1,486
	ROLFE	Yes	depression, ground moraine	2B3,3	YES	NO	YES	1,486
	WEBSTER	Yes	flat, ground moraine, swale	2B3	YES	NO	NO	1,486
62F: STORDEN LOAM, 18 TO 25 PERCENT SLOPES	STORDEN	No	ground moraine	---	---	---	---	189
	SUNBURG	No	ground moraine	---	---	---	---	24
	OMSRUD	No	ground moraine	---	---	---	---	17
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	12

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90: OKOBOJI MUCKY SILTY CLAY LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	depression, ground moraine	3,2B3	YES	NO	YES	1,195
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	101
	KNOKE	Yes	depression, ground moraine	3,2B3	YES	NO	YES	72
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	72
95: HARPS CLAY LOAM, 0 TO 2 PERCENT SLOPES	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	5,675
	CANISTEO	Yes	flat, ground moraine	2B3	YES	NO	NO	479
	CRIPPIN	No	ground moraine, rise	---	---	---	---	342
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	342
107: WEBSTER SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	WEBSTER	Yes	flat, ground moraine, swale	2B3	YES	NO	NO	26,551
	CANISTEO	Yes	flat, ground moraine	2B3	YES	NO	NO	3,319
	NICOLLET	No	ground moraine, rise	---	---	---	---	2,323
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	996
135: COLAND CLAY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	COLAND	Yes	flood plain	2B3	YES	NO	NO	826
	SPILLVILLE	No	flood plain	---	---	---	---	119
	HAVELOCK	Yes	flood plain	2B3	YES	NO	NO	50
138B: CLARION LOAM, 2 TO 5 PERCENT SLOPES	CLARION	No	ground moraine	---	---	---	---	37,475
	NICOLLET	No	ground moraine, rise	---	---	---	---	4,684
	CLARION	No	ground moraine	---	---	---	---	2,342

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
138C2: CLARION LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	STORDEN	No	ground moraine	---	---	---	---	2,342
	CLARION	No	ground moraine	---	---	---	---	4,142
	CLARION	No	ground moraine	---	---	---	---	531
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	372
	STORDEN	No	ground moraine	---	---	---	---	266
175: DICKINSON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES	DICKINSON	No	stream terrace	---	---	---	---	155
	DICKMAN	No	---	---	---	---	---	13
	RIDGEPORT	No	stream terrace	---	---	---	---	9
	WADENA	No	stream terrace	---	---	---	---	5
	DICKINSON	No	stream terrace	---	---	---	---	379
175B: DICKINSON FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES	DICKMAN	No	---	---	---	---	---	50
	SPARTA	No	---	---	---	---	---	35
	CLARION	No	ground moraine	---	---	---	---	25
	FARRAR	No	dune, ground moraine	---	---	---	---	15
	DICKINSON	No	dune, ground moraine	---	---	---	---	334
175C: DICKINSON FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	FARRAR	No	dune, ground moraine	---	---	---	---	40
	CLARION	No	ground moraine	---	---	---	---	28
	KENSETT	No	ground moraine	---	---	---	---	159
	GARMORE	No	flat, ground moraine	---	---	---	---	12
	COPASTON	No	structural bench	---	---	---	---	5
201B: COLAND-TERILL COMPLEX, 2 TO 5 PERCENT SLOPES	COLAND	Yes	drainageway	2B3	YES	NO	NO	421

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
203: CYLINDER LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES	TERRIL	No	alluvial fan, drainageway	---	---	---	---	268
	SPILLVILLE	No	drainageway	---	---	---	---	77
	CYLINDER	No	outwash plain, stream terrace	---	---	---	---	812
	BISCAY	Yes	stream terrace	2B3	YES	NO	NO	108
	CYLINDER	No	stream terrace	---	---	---	---	108
	WADENA	No	stream terrace	---	---	---	---	54
221: KLOSSNER MUCK, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	KLOSSNER	Yes	depression, ground moraine	3,1	NO	NO	YES	869
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	69
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	49
236B: LESTER LOAM, 2 TO 5 PERCENT SLOPES	LESTER	No	ground moraine	---	---	---	---	3,129
	LESTER	No	ground moraine	---	---	---	---	377
	LE SUEUR	No	ground moraine, rise	---	---	---	---	264
236C: LESTER LOAM, 5 TO 9 PERCENT SLOPES	LESTER	No	ground moraine	---	---	---	---	252
	LE SUEUR	No	ground moraine, rise	---	---	---	---	22
	LESTER	No	ground moraine	---	---	---	---	22
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	16
236C2: LESTER LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	LESTER	No	ground moraine	---	---	---	---	777
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	102
	LE SUEUR	No	ground moraine, rise	---	---	---	---	72
	STORDEN	No	ground moraine	---	---	---	---	72

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
236D2: LESTER LOAM, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	LESTER	No	ground moraine	---	---	---	---	464
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	56
	STORDEN	No	ground moraine	---	---	---	---	39
236E: LESTER LOAM, 14 TO 18 PERCENT SLOPES	LESTER	No	ground moraine	---	---	---	---	415
	STORDEN	No	ground moraine	---	---	---	---	34
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	34
236F: LESTER LOAM, 18 TO 25 PERCENT SLOPES	LESTER	No	ground moraine	---	---	---	---	486
	STORDEN	No	ground moraine	---	---	---	---	61
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	61
253B: FARRAR FINE SANDY LOAM, 2 TO 5 PERCENT SLOPES	FARRAR	No	dune, ground moraine	---	---	---	---	448
	DICKINSON	No	dune, ground moraine	---	---	---	---	53
	CLARION	No	ground moraine	---	---	---	---	26
253C: FARRAR FINE SANDY LOAM, 5 TO 9 PERCENT SLOPES	FARRAR	No	dune, ground moraine	---	---	---	---	68
	DICKINSON	No	dune, ground moraine	---	---	---	---	8
	CLARION	No	ground moraine	---	---	---	---	4
256G: LESTER-STORDEN COMPLEX, 25 TO 40 PERCENT SLOPES	LESTER	No	ground moraine	---	---	---	---	509
	STORDEN	No	ground moraine	---	---	---	---	387
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	71
	ZENOR	No	ground moraine	---	---	---	---	51
259: BISCAY CLAY LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES	BISCAY	Yes	stream terrace	2B3	YES	NO	NO	1,028

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
274: ROLFE SILT LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	BISCAY	Yes	stream terrace	2B3	YES	NO	NO	220
	CYLINDER	No	stream terrace	---	---	---	---	147
	BISCAY	Yes	depression, stream terrace	2B3	YES	NO	NO	73
	ROLFE	Yes	depression, ground moraine	2B3,3	YES	NO	YES	973
	WEBSTER	Yes	flat, ground moraine, swale	2B3	YES	NO	NO	114
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	57
308: WADENA LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES	WADENA	No	stream terrace	---	---	---	---	901
	WADENA	No	stream terrace	---	---	---	---	180
	CYLINDER	No	stream terrace	---	---	---	---	60
	RIDGEPORT	No	stream terrace	---	---	---	---	60
308B: WADENA LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 2 TO 5 PERCENT SLOPES	WADENA	No	stream terrace	---	---	---	---	516
	WADENA	No	stream terrace	---	---	---	---	61
	CYLINDER	No	stream terrace	---	---	---	---	30
330: KINGSTON SILTY CLAY LOAM, 0 TO 2 PERCENT SLOPES	KINGSTON	No	stream terrace	---	---	---	---	316
	BISCAY	Yes	stream terrace	2B3	YES	NO	NO	40
	CYLINDER	No	stream terrace	---	---	---	---	20
	TRUMAN	No	stream terrace	---	---	---	---	20
338: GARMORE LOAM, 0 TO 2 PERCENT SLOPES	GARMORE	No	flat, ground moraine	---	---	---	---	6,193
	NICOLLET	No	ground moraine, rise	---	---	---	---	794
	ROLFE	Yes	depression, ground moraine	2B3,3	YES	NO	YES	556

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
	WEBSTER	Yes	flat, ground moraine, swale	2B3	YES	NO	NO	397
339: TRUMAN SILT LOAM, 0 TO 2 PERCENT SLOPES	TRUMAN	No	stream terrace	---	---	---	---	864
	KINGSTON	No	stream terrace	---	---	---	---	96
339B: TRUMAN SILT LOAM, 2 TO 5 PERCENT SLOPES	TRUMAN	No	stream terrace	---	---	---	---	516
	KINGSTON	No	stream terrace	---	---	---	---	57
344B: COPASTON FINE SANDY LOAM, 1 TO 5 PERCENT SLOPES	COPASTON	No	structural bench	---	---	---	---	438
	BEDROCK	No	structural bench	---	---	---	---	55
	LIMESTONE BEDROCK OUTCROPS	No	structural bench	---	---	---	---	55
354: AQUOLLS (MARSH) PONDED, 0 TO 1 PERCENT SLOPES	AQUOLLS	Unranked	depression, ground moraine	---	---	---	---	171
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	21
	KLOSSNER	Yes	depression, ground moraine	3,1	NO	NO	YES	11
	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	11
485: SPILLVILLE LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED	SPILLVILLE	No	flood plain	---	---	---	---	573
	COLAND	Yes	flood plain	2B3	YES	NO	NO	72
	HANLON	No	flood plain	---	---	---	---	36
	HAVELOCK	Yes	flood plain	2B3	YES	NO	NO	36
506: WACOUSTA SILTY CLAY LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	WACOUSTA	Yes	depression, ground moraine	2B3,3	YES	NO	YES	4,887
	CALCOUSTA	Yes	depression, ground moraine	3,2B3	YES	NO	YES	412

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				Hydric criteria code	Meets saturation criteria	Meets flooding criteria	Meets ponding criteria	
507: CANISTEO CLAY LOAM, 0 TO 2 PERCENT SLOPES	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	294
	KLOSSNER	Yes	depression, ground moraine	1,3	NO	NO	YES	294
	CANISTEO	Yes	flat, ground moraine	2B3	YES	NO	NO	64,792
	WEBSTER	Yes	flat, ground moraine, swale	2B3	YES	NO	NO	8,639
	CRIPPIN	No	ground moraine, rise	---	---	---	---	4,320
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	4,320
508: CALCOUSTA SILTY CLAY LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	OKOBOJI	Yes	depression, ground moraine	2B3,3	YES	NO	YES	4,320
	CALCOUSTA	Yes	depression, ground moraine	2B3,3	YES	NO	YES	1,514
	WACOUSTA	Yes	depression, ground moraine	2B3,3	YES	NO	YES	128
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	91
	KLOSSNER	Yes	depression, ground moraine	1,3	NO	NO	YES	91
	WACOUSTA	Yes	depression, ground moraine	2B3,3	YES	NO	YES	997
526: WACOUSTA MUCKY SILTY CLAY LOAM, DEPRESSIONAL, 0 TO 1 PERCENT SLOPES	KLOSSNER	Yes	depression, ground moraine	3,1	NO	NO	YES	120
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	84
	HANLON	No	flood plain	---	---	---	---	225
536: HANLON FINE SANDY LOAM, 0 TO 2 PERCENT SLOPES, OCCASIONALLY FLOODED								

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638C2: CLARION-STORDEN COMPLEX, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	HAVELOCK	Yes	flood plain	2B3	YES	NO	NO	26
	RIDGEPORT	No	stream terrace	---	---	---	---	13
	CLARION	No	ground moraine	---	---	---	---	1,434
	STORDEN	No	ground moraine	---	---	---	---	1,003
	CLARION	No	ground moraine	---	---	---	---	143
	SUNBURG	No	ground moraine	---	---	---	---	143
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	143
659: MAYER LOAM, 32 TO 40 INCHES TO SAND AND GRAVEL, 0 TO 2 PERCENT SLOPES	MAYER	Yes	stream terrace	2B3	YES	NO	NO	476
	BISCAY	Yes	stream terrace	2B3	YES	NO	NO	60
	BISCAY	Yes	depression, stream terrace	2B3	YES	NO	NO	30
	CYLINDER	No	stream terrace	---	---	---	---	30
823: RIDGEPORT SANDY LOAM, 0 TO 2 PERCENT SLOPES	RIDGEPORT	No	stream terrace	---	---	---	---	1,324
	WADENA	No	stream terrace	---	---	---	---	265
	HAWICK	No	stream terrace	---	---	---	---	176
823B: RIDGEPORT SANDY LOAM, 2 TO 5 PERCENT SLOPES	RIDGEPORT	No	stream terrace	---	---	---	---	649
	HAWICK	No	stream terrace	---	---	---	---	53
	WADENA	No	stream terrace	---	---	---	---	53
823C2: RIDGEPORT SANDY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	RIDGEPORT	No	stream terrace	---	---	---	---	143
	HAWICK	No	stream terrace	---	---	---	---	17
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	8
828B: ZENOR SANDY LOAM, 2 TO 5 PERCENT SLOPES	ZENOR	No	ground moraine	---	---	---	---	611
	SUNBURG	No	ground moraine	---	---	---	---	49

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828C2: ZENOR SANDY LOAM, 5 TO 9 PERCENT SLOPES, MODERATELY ERODED	CLARION	No	ground moraine	---	---	---	---	35
	ZENOR	No	ground moraine	---	---	---	---	246
	CLARION	No	ground moraine	---	---	---	---	22
	SUNBURG	No	ground moraine	---	---	---	---	22
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	22
829D2: ZENOR-STORDEN COMPLEX, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	ZENOR	No	ground moraine	---	---	---	---	130
	STORDEN	No	ground moraine	---	---	---	---	102
	SUNBURG	No	ground moraine	---	---	---	---	29
	HAWICK	No	ground moraine	---	---	---	---	14
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	14
835D2: STORDEN-OMSRUD COMPLEX, 9 TO 14 PERCENT SLOPES, MODERATELY ERODED	STORDEN	No	ground moraine	---	---	---	---	540
	OMSRUD	No	ground moraine	---	---	---	---	378
	SUNBURG	No	ground moraine	---	---	---	---	108
	TERRIL	No	alluvial fan, drainageway	---	---	---	---	54
	STORDEN	No	ground moraine	---	---	---	---	252
835E2: STORDEN-OMSRUD COMPLEX, 14 TO 18 PERCENT SLOPES, MODERATELY ERODED	OMSRUD	No	ground moraine	---	---	---	---	176
	SUNBURG	No	ground moraine	---	---	---	---	50
	TERRIL	No	drainageway, alluvial fan	---	---	---	---	25
	HARPS	Yes	depression, ground moraine, rim	2B3	YES	NO	NO	2,192
	OKOBOJI	Yes	depression, ground moraine	3,2B3	YES	NO	YES	1,704

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1585: SPILLVILLE-COLAND COMPLEX, CHANNELED, 0 TO 2 PERCENT SLOPES, FREQUENTLY FLOODED	CRIPPIN	No	ground moraine, rise	---	---	---	---	487
	KNOKE	Yes	depression, ground moraine	2B3,3	YES	NO	YES	487
	SPILLVILLE	No	flood plain	---	---	---	---	2,312
	COLAND	Yes	flood plain	2B3	YES	NO	NO	1,798
	HANLON	No	flood plain	---	---	---	---	514
	HAVELOCK	Yes	flood plain	2B3	YES	NO	NO	257
	WATER	---	---	---	---	---	---	257
4000: URBAN LAND	URBAN LAND	---	---	---	---	---	---	343
5010: PITS, GRAVEL	PITS, GRAVEL	Unranked	---	---	---	---	---	389
5030: PITS, LIMESTONE QUARRIES	PITS, QUARRIES	Unranked	---	---	---	---	---	399
5040: UDORTHERENTS, LOAMY (CUT AND FILL LAND)	UDORTHERENTS	Unranked	---	---	---	---	---	303
5080: UDORTHERENTS, SANITARY LANDFILL	UDORTHERENTS	Unranked	---	---	---	---	---	74
AW: ANIMAL WASTE	ANIMAL WASTE LAGOON	---	---	---	---	---	---	8
SL: SEWAGE LAGOON	SEWAGE LAGOON	---	---	---	---	---	---	23
W: WATER	WATER	Unranked	---	---	---	---	---	1,099